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Box 16

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JC907 U.S. PTO

UTILITY PATENT APPLICATION TRANSMITTAL (Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))	Attorney Docket No.	ART-00101.P.1
	First Inventor or Application Identifier	Guoqing Wang
	Title	Methods and Compositions for Identifying Nucleic Acid Molecules Using Nucleolytic Activities and Hybridization
	Express Mail Label No.	EK697264415US
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents	ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, DC 20231	
1. <input checked="" type="checkbox"/> * Fee Transmittal Form (e.g. PTO/SB/17) (Submit an original and a duplicate for fee processing) 2. <input checked="" type="checkbox"/> Specification [Total Pages [103]] 3. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets [11]] 4. Oath or Declaration a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 C.F.R. § 1.63(d)) (For continuation/divisional with Box 16 completed) i. <input type="checkbox"/> <u>DELETION OF INVENTOR(S)</u> Signed statement attached deleting inventor(s) named in the prior application See 37 C.F.R. §§ 1.63(d)(2) and 1.33(b). *NOTE FOR ITEMS 1 & 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27); EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28). 5. <input type="checkbox"/> Microfiche Computer Program (Appendix) 6. Nucleotide and/or Amino Acid Sequence Submission (If applicable, all necessary) a. <input checked="" type="checkbox"/> Computer Readable Copy b. <input checked="" type="checkbox"/> Paper Copy (identical to computer copy) c. <input checked="" type="checkbox"/> Statement verifying identity of above copies		

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09/648081

General Information	
Parameter	Value
Study ID	123456789
Version	1.0
Author	John Doe
Reviewer	Jane Smith
Date	2023-10-27
Project Name	Project X
Project Description	Project X is a research project aimed at understanding the effects of climate change on the environment.
Project Goals	Project X aims to achieve the following goals:
1. Understand the effects of climate change on the environment.	
2. Identify the causes of climate change.	
3. Develop strategies to mitigate the effects of climate change.	
4. Implement and evaluate the strategies.	
5. Report the findings.	
Project Scope	Project X will focus on the following areas:
1. Climate change research.	
2. Environmental impact assessment.	
3. Policy development.	
4. Implementation and evaluation.	
5. Reporting.	
Project Budget	Project X has a budget of \$1,000,000.
Project Timeline	Project X will be completed by December 31, 2023.
Project Risks	Project X faces the following risks:
1. Lack of funding.	
2. Lack of expertise.	
3. Lack of data.	
4. Lack of communication.	
5. Lack of coordination.	
Project Conclusion	Project X is a research project aimed at understanding the effects of climate change on the environment. It aims to achieve the following goals: 1. Understand the effects of climate change on the environment. 2. Identify the causes of climate change. 3. Develop strategies to mitigate the effects of climate change. 4. Implement and evaluate the strategies. 5. Report the findings. Project X will focus on the following areas: 1. Climate change research. 2. Environmental impact assessment. 3. Policy development. 4. Implementation and evaluation. 5. Reporting. Project X has a budget of \$1,000,000. Project X will be completed by December 31, 2023. Project X faces the following risks: 1. Lack of funding. 2. Lack of expertise. 3. Lack of data. 4. Lack of communication. 5. Lack of coordination.

- | 17. CORRESPONDENCE INFORMATION | | | |
|---|---|---------------------------------------|-----------------|
| <input checked="" type="checkbox"/> Customer Number [24232] or Bar Code Label [] or
<input type="checkbox"/> Correspondence address below | | | |
| Name | | David R. Preston | |
| Address | | 11404 Sorrento Valley Road, Suite 104 | |
| City, State and Zip Code | | San Diego, California 92121 | |
| Country | | USA | |
| Telephone | | 858.450.1388 | |
| Facsimile | | 858.450.2188 | |
| Name | David R. Preston | Registration Number | 38,710 |
| Signature |  | Date | August 25, 2000 |

Utility Application Transmittal Form
ART-00101.P.1

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FEE TRANSMITTAL Patent fees are subject to annual revision on October 1. These are the fees effective October 1, 1997. Small Entity payments <u>must</u> be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12. See 37 C.F.R. §§ 1.27 and 1.28.		Complete if Known	
		Application Number:	To be determined
		Filing Date:	Herewith
		First Named Inventor:	Guoqing Wang
		Group / Art Unit:	To be determined
Total Amount of Payment	\$ 768.00	Docket Number:	ART-00101.P.1

JCS36 U.S. PTO

09/648081



09/25/00

METHOD OF PAYMENT	
1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to: Deposit Account Number: <input type="checkbox"/> Deposit Account Name: <input type="checkbox"/> <input type="checkbox"/> Charge Any Additional Fee Required Under 37 C.F.R. §§ 1.16 and 1.17 <input type="checkbox"/> Charge the Issue Fee Set in 37 C.F.R. § 1.18 at the Mailing of the Notice of Allowance.	
2. <input checked="" type="checkbox"/> Payment Enclosed <input checked="" type="checkbox"/> Check Number <u>447</u> <input type="checkbox"/> Money Order <input type="checkbox"/> Other	

FEE CALCULATION						
1. BASIC FILING FEE						
	Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
	101	690	201		Utility Filing Fee	\$ 690.00
	106		206		Design Filing Fee	\$
	107		207		Plant Filing Fee	\$
	108		208		Reissue Filing Fee	\$
	114		214		Provisional Filing Fee	\$
SUBTOTAL (1)						\$ 690.00

2. EXTRA CLAIM FEES

				Extra Claims		Fee From Below		Fee Paid
Total Claims	[20]	-20 **	Equals	[0]	Times	[0]	Equals	\$ 0.00
Independent Claims	[4]	-3 **	Equals	[1]	Times	[78]	Equals	\$ 78.00
Subtotal (2)								\$ 78.00

** or number previously paid, if greater, For Reissues, see below


	Large Entity		Small Entity		Fee Description
	Fee Code	Fee (\$)	Fee Code	Fee (\$)	
	103		203		Claims in excess of 20
	102		202	78.00	Independent claims in excess of 3
	104		204		Multiple dependent claim, if not paid
	109		209		** Reissue independent claims over original patent
	110		210		** Reissue claims in excess of 20 and over original patent

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3. ADDITIONAL FEES					
Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105		205		Surcharge - late filing fee or oath	\$
127		227		Surcharge - late provisional filing fee or cover sheet	\$
139		139		Non-English specification	\$
147		147		For filing a request for reexamination	\$
112		112		Requesting publication of SIR prior to Examiner action	\$
113		113		Requesting publication of SIR after Examiner action	\$
115		215		Extension for reply within first month	\$
116		216		Extension for reply within second month	\$
117		217		Extension for reply within third month	\$
118		218		Extension for reply within fourth month	\$
128		228		Extension for reply within fifth month	\$
119		219		Notice of Appeal	\$
120		220		Filing a brief in support of an appeal	\$
121		221		Request for oral hearing	\$
138		138		Petition to institute a public use proceeding	\$
140		240		Petition or revive - unavoidable	\$
141		241		Petition or revive - unintentional	\$
142		242		Utility issue fee (or reissue)	\$
143		243		Design issue fee	\$
144		244		Plant issue fee	\$
122		122		Petitions to the Commissioner	\$
123		123		Petitions related to provisional applications	\$
126		126		Submission of Information Disclosure Statement	\$
581		581		Recording each patent assignment per property	\$
146		246		Filing a submission after final rejection (37 C.F.R. 1.129(a))	\$
149		249		For each additional invention to be examined (37 CFR 1.129(b))	\$
Other fee (specify):					\$
* Reduced by Basic Filing Fee Paid				Subtotal (3)	\$ 0.00

4. SUMMATION OF FEES	
SUBTOTAL (1)	\$ 690.00
SUBTOTAL (2)	\$ 78.00
SUBTOTAL (3)	\$ 0.00
TOTAL FEES	\$ 768.00

SUBMITTED BY			Complete (If Applicable)	
Typed or Printed Name	David R. Preston		Registration Number:	38,710
Signature		Date: <i>August 25, 2000</i>	Deposit Account User ID Number	501321

005280 "T8034950

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Box Provisional Patent Application

"Express Mail" Mailing Label Number: EKG972644150S

Date of Deposit: August 25, 2000

Assistant Commissioner for Patents

Washington DC 20231

Re: Utility Patent Application

Entitled: Methods and Compositions for Identifying Nucleic Acid Molecules
Using Nucleolytic Activities and Hybridization

Appl. No.: To be determined

Filed: Herewith

Inventor: Wang et al.

Our Ref.: ART-00101.P.1

Sir:

The following documents are forwarded herewith for appropriate action by the United States Patent and Trademark Office:

1. Utility Patent Application Transmittal (in duplicate);
2. Fee Transmittal (in duplicate);
3. Declaration for Utility or Design Patent Application;
4. Statement Claiming Small Entity Status – Small Business;
5. Preliminary Amendment;

09643081-082500

Complete U.S. Patent Application entitled:

**Methods and Compositions for Identifying Nucleic Acid Molecules
Using Nucleolytic Activities and Hybridization**

and naming as inventors

**Guoqing Wang
Lei Wu
Xiaobo Wang
Jing Cheng
WeiPing Yang**

the utility application comprising:

- a) Total pages of application: 101
- b) Pages of specification: 69;
- c) Pages of Figures: 11; Number of Figures: 8;
- d) Pages of Title Page: 1;
- e) Pages of Sequence Listing: 3;
- f) Pages of Bibliography: 3;
- g) Pages of Abstract: 1;
- h) Pages of Claims: 13; 81 Claims.

- 7. Statement Under 37 C.F.R. 1.821 through 1.824
- 8. One Diskette with Sequence Listing
- 9. One Return Post Card; and
- 10. Our Check for \$768.00 to cover the Application Fee and Recordation fee.

It is respectfully requested that the attached postcard be stamped with the filing date and unofficial application number and returned as soon as possible.

Please apply any charges not covered, or any credits, to Deposit Account 501321 in the name of David R. Preston & Associates.

Customer No.: 24232

09648081.082500

The following attorney is the attorney of record for prosecuting this application and transacting all business in the USPTO connected therewith:

David R. Preston, Esquire
Registration No. 38,710

Please send all correspondence and direct all telephone calls to:

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Respectfully Submitted,
DAVID R. PRESTON & ASSOCIATES



David R. Preston
Attorney for Applicant
Registration No. 38,710

09648081.032500

UTILITY PATENT APPLICATION
FOR
METHODS AND COMPOSITIONS FOR IDENTIFYING NUCLEIC ACID
MOLECULES USING NUCLEOLYTIC ACTIVITIES AND HYBRIDIZATION

by
Guoqing Wang
Lei Wu
Xiaobo Wang
Jing Cheng
WeiPing Yang

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

"EXPRESS MAIL" MAILING LABEL NUMBER: EK697264415US

DATE OF DEPOSIT August 25, 2000

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231

David R. Preston
(Typed or printed name of person mailing paper or fee)

David R. Preston
(Signature of person mailing paper or fee)

David R. Preston & Associates
11404 Sorrento Valley Road
Suite 104
San Diego, California 92121

ART-00101.P.1

Wang

005580-18084960

PATENT APPLICATION SERIAL NO. _____

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
FEE RECORD SHEET

09/05/2000 DTHUMAS 00000104 09648081

01 FC:101	690.00 DP
02 FC:102	78.00 DP

PTO-1556
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